

WHAT IS CLAIMED IS:

1 **1.** A guard hose arrangement for protecting insulated
2 electrical conductors for installation in a vehicle such as
3 an aircraft, said guard hose arrangement comprising a
4 plurality of guard hoses (1, 2...n), each guard hose having
5 an inner diameter for receiving at least one of said
6 insulated electrical conductors, each guard hose of said
7 plurality of guard hoses comprising an outwardly facing
8 first contour, and at least one spacer positioned between
9 two neighboring guard hoses of said plurality of guard
10 hoses, said at least one spacer having a second contour
11 matching said first contour of said guard hoses for spacing
12 said plurality of guard hoses from one another.

1 **2.** The guard hose arrangement of claim 1, comprising a
2 number n of guard hoses, and a number n-1 of spacers
3 arranged between neighboring guard hoses, and wherein each
4 of said spacers is positioned along a straight length of
5 two neighboring guard hoses.

1 **3.** The guard hose arrangement of claim 1, comprising several
2 spacers arranged in a row between two neighboring guard
3 hoses of said plurality of guard hoses, and spaces (S)
4 between neighboring spacers in said row.

1 **4.** The guard hose arrangement of claim 1, wherein said at
2 least one spacer has top and bottom surfaces opposite each

other and side surfaces opposite each other in first and second pairs, each side surface of a pair of said side surfaces having said second contour matching said first contour of a respective guard hose.

5. The guard hose arrangement of claim 4, wherein said first contour is convex and wherein said second contour is concave so that said convex first contour partly encircles said convex second contour.

6. The guard hose arrangement of claim 4, wherein each of said side surfaces has the same length or different length, whereby said top and bottom surfaces are squares or quadrangles and the side surfaces are rectangles.

7. The guard hose arrangement of claim 4, wherein said side surfaces forming said first pair have the same length, and wherein said side surfaces forming said second pair have a length longer or shorter than said same length, and wherein the second contours are provided in said squares or quadrangles.

8. The guard hose arrangement of claim 4, wherein said spacer has a V-sectional or U-sectional configuration.

9. The guard hose arrangement of claim 8, wherein said V-sectional or U-sectional configuration has legs of equal length.

- 1 **10.** The guard hose arrangement of claim 8, wherein said
2 V-sectional or U-sectional configuration has legs of
3 unequal length.
- 1 **11.** The guard hose arrangement of claim 4, wherein said spacer
2 has a V-sectional configuration with two legs enclosing an
3 angle (α) between said two legs.
- 1 **12.** The guard hose arrangement of claim 11, wherein said angle
2 (α) is within the range of 45° to 90°.
- 1 **13.** The guard hose arrangement of claim 4, wherein said spacer
2 has a U-sectional configuration with two legs
3 interconnected by a land, each leg enclosing with said land
4 an angle (β).
- 1 **14.** The guard hose arrangement of claim 13, wherein said angle
2 (β) is up to 120°.
- 1 **15.** The guard hose arrangement of claim 1, wherein said at
2 least one spacer has at least one through-hole.
- 1 **16.** The guard hose arrangement of claim 1, wherein a first and
2 last guard hose of said plurality of guard hoses has an
3 outwardly positioned surface portion facing away from said
4 at least one spacer, said guard hose arrangement further

5 comprising a protective covering on said surface portion
6 facing away from said at least one spacer.

1 **17.** The guard hose arrangement of claim 16, wherein said
2 protective covering is a metal foil or fabric adhesively
3 bonded to said surface portion facing away from said at
4 least one spacer.

1 **18.** The guard hose arrangement of claim 16, wherein said
2 covering is a coating comprising metal particles forming a
3 screen against electromagnetic adverse influences.

1 **19.** The guard hose arrangement of claim 1, wherein at least one
2 guard hose of said plurality of guard hoses comprises at
3 least one protective ridge (11) extending externally and
4 helically around said at least one guard hose.

1 **20.** The guard hose arrangement of claim 1, wherein said
2 plurality of guard hoses and said at least one spacer are
3 formed as one integral component.

1 **21.** The guard hose arrangement of claim 1, wherein said guard
2 hoses and said spacer or spacers are interconnected at a
3 junction (6, 7) by any one of adhesive bonding, welding,
4 and tongue and groove connections.